

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

HOBBS, Steven E. et al.

Title: **PARALLEL DETECTION
CHROMATOGRAPHY SYSTEMS**

Serial Number: 10/699,533

Filed: October 30, 2003

Group Art Unit: [not yet assigned]

Examiner: [not yet assigned]

Attorney Docket: 132-Div1-US

IDS TRANSMITTAL

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents for the above-identified application:

- Transmittal Letter (1 page)
- Information Disclosure Statement (1 page)
- Form PTO-1449 (4 pages)
- Cited References (34 documents)
- Return Postcard

Applicants have not yet received a first office action on the merits in the above-referenced application, and therefore Applicants believe that no fee is due pursuant to 37 CFR § 1.97(b). If Applicants' belief is incorrect, please charge any necessary fees to our deposit account number 502454.

Respectfully submitted,

Vincent K. Gustafson
Reg. No. 46,182

Dated: January 5, 2003

USPTO Customer No.: 32763

CERTIFICATE OF MAILING
(37 C.F.R. § 1.8)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient first class postage in an envelope addressed to Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Name of Person Mailing Paper
Roger Gerdson
Signature of Person Mailing Paper



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INFORMATION DISCLOSURE STATEMENT

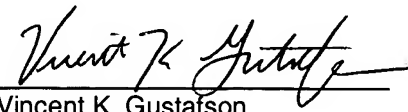
Mail Stop Non-Fee Amendment
Commissioner for Patents
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Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies of only the "Foreign Patent Documents" and "Other Documents" are enclosed for the convenience of the Examiner. Copies of the "U.S. Patent Documents" are not enclosed pursuant to the notice dated July 11, 2003 from the Office of Patent Legal Administration (appearing on the "News & Notices" section of the USPTO website) waiving the requirement to supply such citations in applications filed after June 30, 2003. If, however, the Examiner would find it helpful to have the U.S. citations, Applicants will supply them at the request of the Examiner.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicants is not to be construed that any such patent, publication, or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicants as such.

Respectfully submitted,


Vincent K. Gustafson
Reg. No. 46,182

Dated: January 5, 2003

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**LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT**

JAN 08 2004

(Use several sheets if necessary)

APPLICANT:

HOBBS, Steven E. et al.

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October 30, 2003

GROUP:

[not yet assigned]

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A1	2003/0200794 A1	10/30/2003	Paul	73	54.05	4/28/2003
	A2	6,627,433 B2	9/30/2003	Frazier et al.	435	288.7	8/24/2001
	A3	2003/0180711 A1	9/25/2003	Turner et al.	435	4	2/21/2003
	A4	6,614,030 B2	9/2/2003	Maher et al.	250	458.1	5/15/2002
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	A10	6,547,941 B2	4/15/2003	Kopf-Sill et al.	204	452	7/31/2001
	A11	6,542,231 B1	4/1/2003	Garrett	356	246	8/22/2000
	A12	6,537,506 B1	3/25/2003	Schwalbe et al.	422	130	2/3/2000
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	A14	6,532,978 B1	3/18/2003	Müller-Kuhr et al.	137	1	11/22/1999
	A15	6,524,863 B1	2/25/2003	Abedi	436	161	7/26/2000
	A16	6,514,399 B1	2/4/2003	Parce et al.	204	600	11/28/2000
	A17	2002/0199094 A1	12/26/2002	Strand et al.	713	150	12/27/2001
	A18	2002/0189947 A1	12/19/2002	Paul et al.	204	461	8/29/2001
	A19	6,494,614 B1	12/17/2002	Bennett et al.	366	336	9/21/1999
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	A22	6,410,915 B1	6/25/2002	Bateman et al.	250	288	6/17/1999
	A23	2002/0041827 A1	4/11/2002	Yager et al.	422	57	5/22/2001

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132-Div1-US

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	A24	6,369,893 B1	4/9/2002	Christel et al.	356	417	5/19/1999
	A25	6,318,157 B1	11/20/2001	Corso et al.	73	61.52	4/20/2000
	A26	6,296,771 B1	10/2/2001	Miroslav	210	656	10/1/1999
	A27	6,264,892 B1	7/24/2001	Kaltenbach et al.	422	68.1	1/11/2000
	A28	6,188,813 B1	2/13/2001	Dourdeville et al.	385	12	2/10/1999
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	A30	6,156,273	12/5/2000	Regnier et al.	422	70	5/27/1997
	A31	6,100,541	8/8/2000	Nagle et al.	250	573	2/24/1998
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION?	
						YES	NO
	B1	WO 02/29106 A2	4/11/2002	WIPO	Chou et al.		
	B2	WO 02/28532 A2	4/11/2002	WIPO	Strand et al.		
	B3	EP 1 106 244 A2	6/13/2001	EPC	Bergh et al.		
	B4	WO 01/38865 A1	5/31/2001	WIPO	Harrison et al.		
	B5	WO 00/72970 A1	12/7/2000	WIPO	Petersen et al.		
	B6	WO 00/39573	7/6/2000	WIPO	Weigl et al.		
	B7	WO 00/31528	6/2/2000	WIPO	Müller-Kuhrt et al.		X
	B8	WO 00/21659	4/20/2000	WIPO	Burdon et al.		
	B9	WO 99/48599	9/30/1999	WIPO	Kearney et al.		
	B10	WO 99/19717	4/22/1999	WIPO	Bjornson et al.		
	B11	WO 98/45693	10/15/1998	WIPO	Soane et al.		
	B12	WO 95/02178	1/19/1995	WIPO	Burke-Brigham et al.		

EXAMINER
INITIALS

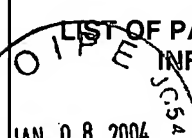
NON PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

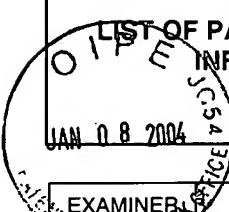
	C1	Wagner, Knut et al., <i>An Automated On-Line Multidimensional HPLC System for Protein and Peptide Mapping with Integrated Sample Preparation</i> , "Analytical Chemistry," Vol. 74, No. 4, February 15, 2002, pp. 809-820
	C2	Xu, Rongda et al., <i>Application of Parallel Liquid Chromatography/Mass Spectrometry for High Throughput Microsomal Stability Screening of Compound Libraries</i> , "Journal of the American Society for Mass Spectrometry," 2002, 13, 155-165
	C3	Van Pelt, Colleen K. et al., <i>A Four-Column Parallel Chromatography System for Isocratic or Gradient LC/MS Analyses</i> , "Analytical Chemistry," Vol. 73, No. 3, February 1, 2001, pp. 582-588
	C4	Janiszewski, John S., et al., <i>A High-Capacity LC/MS System for the Bioanalysis of Samples Generated from Plate-Based Metabolic Screening</i> , "Analytical Chemistry," Vol. 73, No. 7, April 1, 2001, pp. 1495-1501
	C5	Zhang, Bailin et al., <i>High-Throughput Microfabricated CE/ESI-MS: Automated Sampling from a Microwell Plate</i> , "Analytical CHEmistry," Vol. 73, No. 11, June 1, 2001, pp. 2675-2681
	C6	Tang, Keqi et al., <i>Generation of Multiple Electrosprays Using Microfabricated Emitter Arrays for Improved Mass Spectrometric Sensitivity</i> , "Analytical Chemistry," Vol. 73, No. 8, April 15, 2001, pp. 1658-1663
	C7	Yang, Liyu et al., <i>Evaluation of a Four-Channel Multiplexed Electrospray Triple Quadrupole Mass Spectrometer for the Simultaneous Validation of LC/MS/MS Methods in Four Different Preclinical Matrixes</i> , "Analytical Chemistry," Vol. 73, No. 8, April 15, 2001, pp. 1740-1747

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FORM PTO-1449 	ATTY. DOCKET NO. 132-Div1-US	SERIAL NO. 10/699,533
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	FILING DATE: October 30, 2003	GROUP: [not yet assigned]

EXAMINER: 		NON PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	C8	"LCT with MUX Technology," Internet document from www.micromass.co.uk/systems/sysorg22.asp , Printed 7/19/2002, date of origin unknown
	C9	Xu, Rongda et al., <i>High-Throughput Mass-Directed Parallel Purification Incorporating a Multiplexed Single Quadrupole Mass Spectrometer</i> , "Analytical Chemistry," Vol. 74, No. 13, July 1, 2002, pp. 3055-3062
	C10	Fang, Liling et al., <i>High-throughput liquid chromatography ultraviolet/mass spectrometric analysis of combinatorial libraries using an eight-channel multiplexed electrospray time-of-flight mass spectrometer</i> , "Rapid Communications in Mass Spectrometry," 2002, 16: 1440-1447
	C11	Svedberg, Malin et al., "Electrospray from a Plastic Chip," <i>Micro Total Analysis Systems</i> , 2001, 335-336, J.M. Ramsey and A. van den Berg (eds.), Kluwer Academic Publishers, The Netherlands
	C12	Jiang, Yun et al., <i>Integrated Plastic Microfluidic Devices with ESI-MS for Drug Screening and Residue Analysis</i> , "Analytical Chemistry," Vol. 73, No. 9, May 1, 2001, pp. 2048-2053
	C13	"Multi-Parallel HPLC," Web document published at: http://www.sepiatec.com/download/phplc.pdf
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	C17	Manz, Andreas et al., <i>Miniaturization of Separation Techniques Using Planar Chip Technology</i> , "Journal of High Resolution Chromatography," Vol. 16, July 1993
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	C19	Cerioti, Laura et al., "Visible and UV Detection Through Square, Deep PDMS Channels," <i>Micro Total Analysis Systems</i> , pp. 339-340, J.M. Ramsey and A. van den Berg (eds.), 2001 Kluwer Academic Publishers, the Netherlands
	C20	Wolk, Jeffrey et al., "Ultraviolet Absorbance Spectroscopy in a 3-Dimensional Microfluidic Chip," <i>Micro Total Analysis Systems</i> , pp. J.M. Ramsey and A. van den Berg (eds.), 2001 Kluwer Academic Publishers, the Netherlands
	C21	Sato, Kiichi et al., "Integrated Immunoassay System using Multichannel Microchip for Simultaneous Determination," <i>Micro Total Analysis Systems</i> , pp. 511-512, J.M. Ramsey and A. van den Berg (eds.), 2001 Kluwer Academic Publishers
	C22	Prins, M.W.J. et al., <i>Multichannel structures made from micrometre-thick plastic foils</i> , "J. Micromech. Microeng.," 9, (1999), pp. 362-363.

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